FCC and IndustryCanada(IC) Warning:

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- The term “IC:” before the radio certification number only signifies that industry Canada technical specifications were met.
- Any changes or modifications to this product not expressly approved by WARN Industries could void the user’s authority to operate this product.

As you read these instructions, you will see WARNINGS, CAUTIONS, NOTICES and NOTES. Each message has a specific purpose. WARNINGS are safety messages that indicate a potentially hazardous situation, which, if not avoided could result in serious injury. CAUTIONS are safety messages that indicate a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. A CAUTION may also be used to alert against unsafe practice. CAUTIONS and WARNINGS identify the hazard, indicate how to avoid hazard, and advise of the probable consequence of not avoiding the hazard. NOTICES are messages to avoid property damage. NOTES are additional information to help you complete a procedure. PLEASE WORK SAFELY!

WARNING

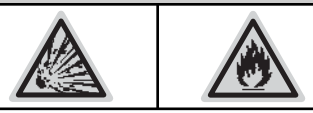
MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to severe injury or death.

To avoid injury to hands or fingers.

- **Always** keep hands clear of rope, hook loop, hook and fairlead opening during installation, operation, and when spooling in or out.
- **Always** use extreme caution when handling hook and rope during spooling operations.
- **Always** use supplied hook strap whenever spooling rope in or out, during installation and during operation.
- **Always** keep vehicle in sight during winching operation.
- **Always** wear heavy leather gloves when handling rope.

WARNING



CHEMICAL AND FIRE HAZARD

Failure to observe these instructions could lead to severe injury or death.

- **Always** remove jewelry and wear eye protection.
- **Never** lean over battery while making connections.
- **Always** verify area is clear of fuel lines, fuel tank, brake lines, electrical wires, etc. when drilling.
- **Never** route electrical cables:
  - Across any sharp edges.
  - Through or near moving parts.
  - Near parts that become hot.
- **Always** insulate and protect all exposed wiring and electrical terminals.
- **Always** install terminal boots as directed in installation instructions.

WARNING

FALLING OR CRUSHING HAZARD

Failure to observe these instructions could lead to severe injury or death.

- **Never** use winch to lift or move persons.
- **Never** use winch as a hoist or to suspend a load.

CAUTION

MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to minor or moderate injury.

General Safety:

- **Always** Know Your Winch. Take time to fully read the Installation and Operations Guide, and Basic Guide to Winching Techniques, in order to understand your winch and its operation.
- **Never** operate this winch if you are under 16 years of age.
- **Never** operate this winch when under the influence of drugs, alcohol or medication.
- **Never** exceed winch or rope capacity listed on product data sheet. Double line using a snatch block to reduce winch load.
- **Never** use winch or rope for towing.

Installation Safety:

- **Always** choose a mounting location that is sufficiently strong to withstand the maximum pulling capacity of your winch.
- **Always** use factory approved mounting hardware, components, and accessories.
- **Always** use grade 5 or better hardware.
- **Never** weld mounting bolts.
- **Always** use care when using longer bolts than those supplied from factory. Bolts that are too long can damage the base and/or prevent the winch from being mounted securely.
- **Always** mount the winch and attach the hook to the rope's end loop before connecting the electrical wiring.
- **Always** position fairlead with WARNING label on top.
- **Always** spool the rope onto the drum in the direction specified by the winch warning label on the winch and/or documentation. This is required for the automatic brake to function properly.
- **Always** prestretch rope and respool under load before use. Tightly wound rope reduces chances of "binding", which can damage the rope.

CAUTION

MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to minor or moderate injury.

Winching Safety:

- **Always** inspect rope, hook, and slings before operating winch. Damaged components must be replaced before operation. Protect parts from damage.
- **Never** leave wired remote control plugged into winch when free spooling, rigging, or when the winch is not being used.
- **Never** hook rope back onto itself. This damages the rope.
- **Always** use a choker chain, choker rope, or tree trunk protector on the anchor.
- **Always** remove any element or obstacle that may interfere with safe operation of the winch.
- **Always** take time to use appropriate rigging techniques for a winch pull.
- **Always** be certain the anchor you select will withstand the load and the strap or chain will not slip.
- **Never** engage or disengage clutch if winch is under load, rope is in tension or drum is moving.
- **Never** winch with less than 5 wraps of rope around the drum, the rope could come loose from the drum.
- **Never** touch rope or hook while in tension or under load.
- **Never** touch rope or hook while someone else is at the control switch or during winching operation.
- **Always** stand clear of rope and load and keep others away while winching.
- **Always** be aware of stability of vehicle and load during winching. Alert all bystanders of any unstable condition.
- **Never** use a winch to secure a load.

CAUTION

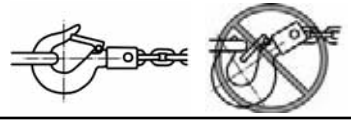
MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to minor or moderate injury.

Winching Safety:

- **Always** keep wired remote control lead clear of the drum, rope, and rigging. Inspect for cracks, pinches, frayed wires or loose connections. Replace remote control if damaged.
- **Always** pass wired remote control through a window to avoid pinching lead in door, when using remote inside a vehicle.
- **Never** leave remote control where it can be activated during free spooling, rigging, or when the winch is not being used.

CAUTION



MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to minor or moderate injury.

- **Always** use a hook with a latch.
- **Always** ensure hook latch is closed and not supporting load.
- **Never** apply load to hook tip or latch. Apply load only to the center of hook.
- **Never** use a hook whose throat opening has increased, or whose tip is bent or twisted.

CAUTION

CUT AND BURN HAZARD

Failure to observe these instructions could lead to minor or moderate injury.

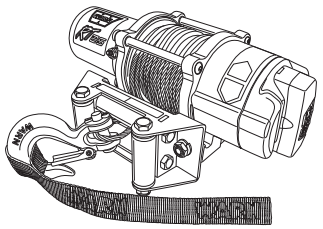
To avoid injury to hands or fingers:

- **Always** wear heavy leather gloves when handling a rope.
- **Never** let rope slip through your hands.
- **Always** be aware of possible hot surface at winch motor, drum or rope during or after winch use.

NOTICE

AVOID WINCH AND EQUIPMENT DAMAGE

- **Always** avoid side pulls which can pile up rope at one end of the drum. This can damage rope or winch.
- **Always** ensure the clutch is fully engaged or disengaged.
- **Never** use winch to tow other vehicles or objects. Shock loads can momentarily exceed capacity of rope and winch.
- **Always** avoid "powering out" rope for extended distances. This causes excess heat and hear on the winch motor and brake.
- **Always** use care to not damage the vehicle frame when anchoring to a vehicle during a winching operation.
- **Never** "jog" rope under load. Shock loads can momentarily exceed capacity of rope and winch.
- **Never** use winch to secure a load during transport.
- **Never** submerge winch in water.
- **Always** store the remote control in a protected, clean, dry area.
- **Always** double line or pick distant anchor point when rigging. This maximizes pulling power and avoids overloading the winch.

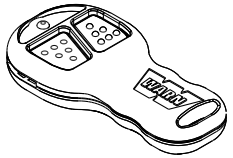


OVERVIEW

The WARN Wireless Control gives you the ability to operate the winch using a wireless hand held remote. The wireless control system integrates with the standard handlebar switch and remote so that the operator may use either the wired or wireless controls at any time.

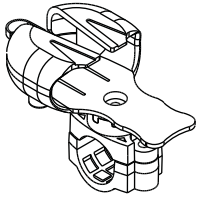
To use the wireless system, the operator first activates the system by pressing and holding both buttons on the wireless remote for 3 seconds. This transfers control of the winch to the wireless control system. The GREEN indicator light on the handheld remote glows when the system is active and ready to use. Deactivate the system by pressing both buttons on the wireless transmitter simultaneously and holding for 3 seconds until GREEN light turns off.

After 2 minutes of idle time, the wireless system de-activates.



SAFETY

When installing your winch and winch control system, read and follow all mounting and safety instructions. Always use caution when working with electricity and remember to verify that no exposed electrical connections exist before energizing your winch circuit.



SPECIFICATIONS

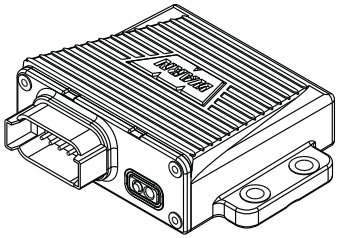
Part numbers for complete system:
PN 74500 (wireless control upgrade kit)
PN 74600 (kit supplied with new ATV winch)

Transmission range:
15-27 m (50-90 ft.)

Receiver Operating voltage:
8 to 24 VDC

Receiver Fuse type and current rating:
ATC 7.5 amp

Batteries for hand held remote:
two alkaline, 12 volt, type 23



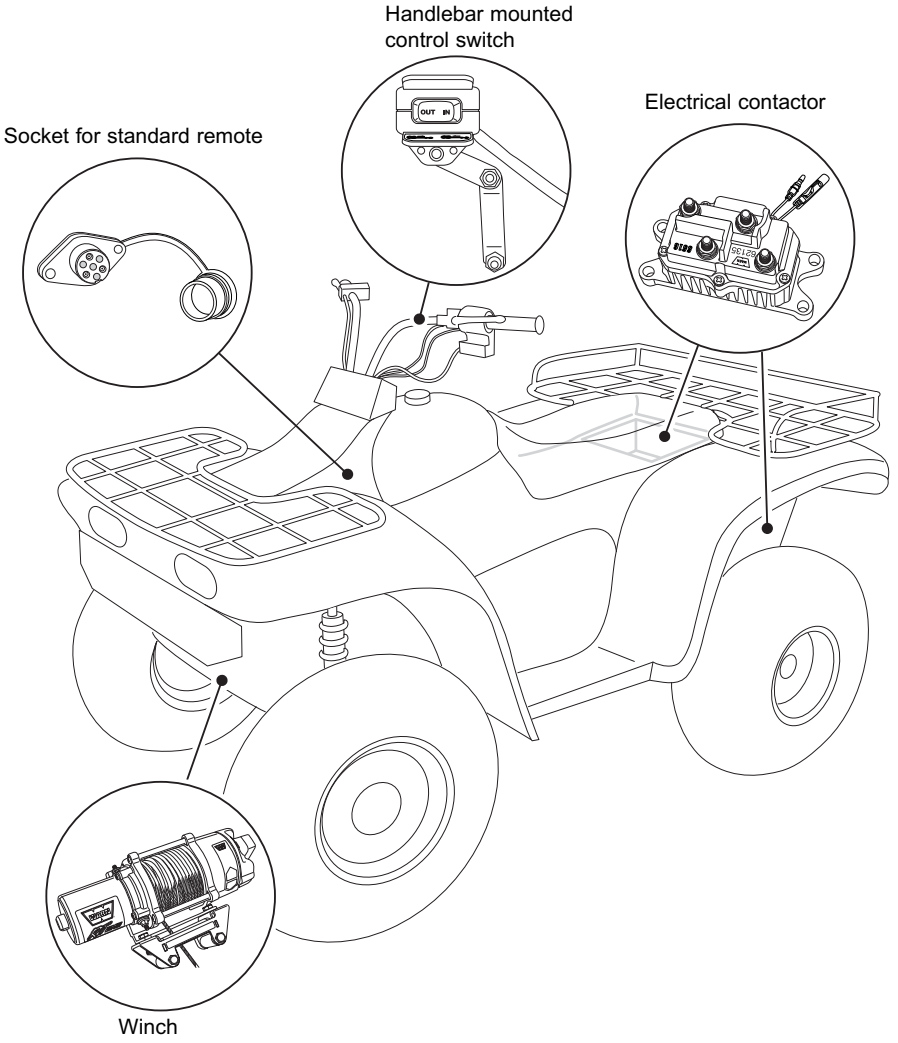
WIRELESS CONTROL KIT INCLUDES:

Wireless Receiver (1)
Wireless Transmitter (1)
Wiring Harness (1)
Holster Assembly (1)
Hardware Kit (1)

STEP 1: MOUNT ALL WINCH COMPONENTS

First install the winch and other components including the contactor, handlebar switch, and socket for wired remote (optional on some models). Then install the wireless control system.

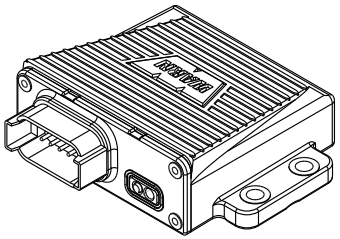
Location for these components may differ from the illustration depending on make and model of the ATV. Read and understand the instructions to choose the appropriate mounting locations.

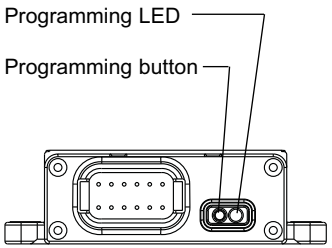


WARNING

TO PREVENT SERIOUS INJURY OR DEATH FROM EXPLOSION:

- Do not drill into gas tank.
- Verify the area is clear behind the mounting location before drilling.





WARNING

TO AVOID SERIOUS INJURY OR DEATH FROM ELECTRICAL FIRE:

- **Never route electrical cables:**
  -Across any sharp edges.
  -Through or near moving parts.
  -Near parts that become hot.

- **Always insulate and protect all exposed wiring and electrical terminals.**

STEP 2: MOUNT THE RECEIVER

What is the receiver?
The receiver is a vital safety component of your wireless winch system. It disconnects the winch from its power source when the ATV is not in use. The receiver must be correctly installed to work properly.

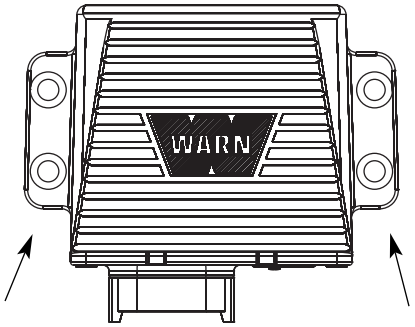
The receiver should be mounted in a location that is as clean and dry as possible while also allowing access to the programming button. The mounting location must also provide clearance for the wire harness to attach to the receiver.

Best locations for the receiver will vary depending on the ATV. Typical locations include the inside, top, or side of the rear storage box or under the seat. The receiver can be attached to a flat surface or to a frame tube of the ATV.

Mounting Steps:

1. Determine the mounting location.
2. If mounting on a flat surface, mark and drill a minimum of two (2) mounting holes, one on each side of the receiver.
3. Loosely attach the receiver using 1/4-inch or M6 bolts and locknuts.
4. If mounting on a frame tube, loosely attach using the wire ties supplied.

5. Do not tighten fasteners at this time.



Minimum of one fastener on each side

STEP 3: ROUTE THE HARNESS

Locate the BLACK and GREEN wires running from the contactor to the handlebar switch. Find the bullet connectors on these wires located near the contactor.

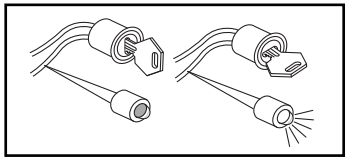
Plan a route for the wire harness between the receiver and these bullet connectors.

WARNING

TO AVOID SERIOUS INJURY OR DEATH FROM ELECTRICAL FIRE:

- **Never route electrical cables:**
  -Across any sharp edges.
  -Through or near moving parts.
  -Near parts that become hot.

- **Always insulate and protect all exposed wiring and electrical terminals.**



Use a test light to locate a switched accessory wire.

STEP 4: CONNECT THE WIRING

Note: Refer to Figure 1.

1. Pull apart the bullet connectors on the BLACK and GREEN wires identified in Step 3 above. These will be located near the contactor
2. Connect the BLACK and GREEN wires to the same color wires on the wire harness as shown on the wiring diagram.
3. Connect the BLACK ground wire with the ring terminator to the battery as shown.
4. Using a test light, locate a switched accessory wire attached to the ATV ignition system. The wire should only have power when the key is in the "ON" position.
5. Splice the RED wire to the key controlled accessory wire using the provided wire splice.
6. Connect the other end of the wire harness to the receiver and tighten the mounting bolts on the receiver.
7. Use tie wraps to secure the wire harness

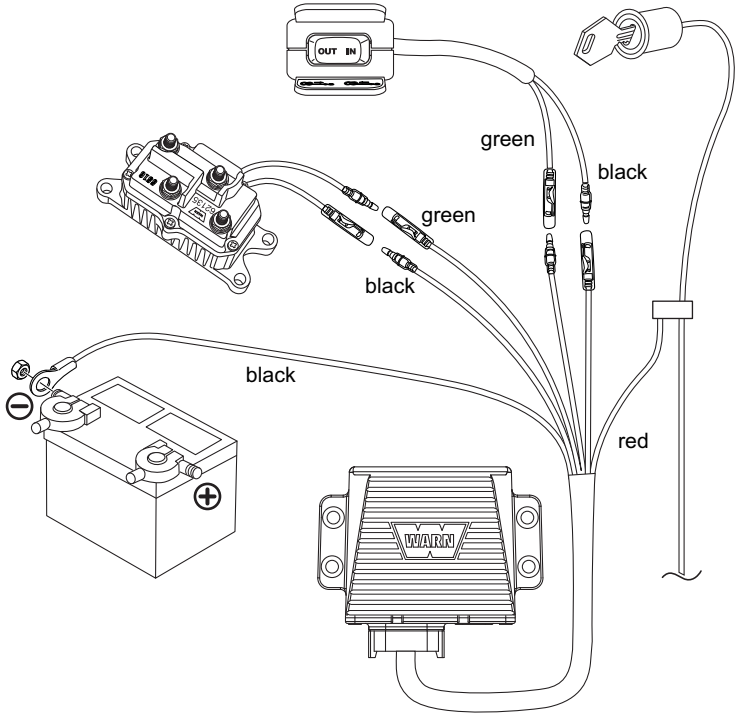
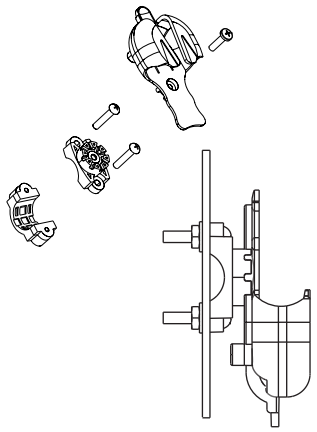


Figure 1: Wiring Installation Diagram

⚠ WARNING

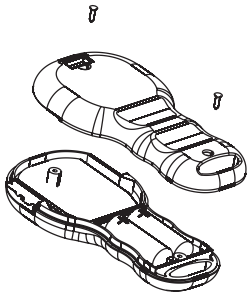
TO AVOID SERIOUS INJURY OR DEATH:

- **Always** use caution when moving or repositioning any vehicle controls so as to not compromise the safe operation of the winch or vehicle. Select a mounting position that will provide clearance for all vehicle controls.
- **Never** attempt to bypass receiver by connecting switches directly to contactor.



⚠ CAUTION

ALWAYS KNOW YOUR WINCH: Before doing a system check, take time to fully understand your winch and the winching operation by reviewing the Basic Guide to Winching Techniques, included with your winch.



STEP 5: MOUNT THE HOLSTER

For ATV use, the typical location for the holster is on the left handlebar.

- The holster clamp must be mounted before assembly
- Do not tighten over any hoses, cables, or wiring.
- For ATVs, it is recommended that the holster be clamped on the left handlebar. The clamp is designed to prevent rotation. If necessary, a piece of electrical tape around the handlebar may be used to prevent slipping.
- For UTVs, the holster may be mounted on the dash or other convenient surface using two #10 or M5 machine screws and locknuts.
- Assemble the holster as shown. Holster may be oriented in any one of eight positions.

STEP 6: SYSTEM CHECK

1. Insure that wiring to all components is correct and all loose wires are securely tie wrapped.
2. Insure that there are no exposed terminals or wiring. Cover any bare terminal with terminal boots, heat shrink tubing or electrical tape.
3. Turn ATV ignition switch to the ON position.
4. Check winch for proper operation using the handlebar switch. The wire rope should spool in and out in the direction indicated on the switch. If winch functions correctly, proceed to the next step. Otherwise troubleshoot.
5. Press and hold both buttons on the wireless handheld remote until the GREEN indicator light comes on. The wireless system is now active and ready to use.
6. By pressing the buttons on the remote, verify that the winch powers IN and powers OUT properly.

REPLACING BATTERIES

If the indicator light on the handheld remote flashes RED during winching, the batteries are low and should be replaced.

1. Remove the two screws from the handheld remote.
2. Separate the top and bottom sections of the remote using a coin or screw driver.
3. Remove the old batteries and dispose in accordance with local environmental regulations.
4. Insert new alkaline batteries as shown with the positive terminals facing the switches. Do not mix old and new batteries.
5. Join the top and bottom sections making sure that they snap together and rubber seal remains intact.
6. Secure with the two screws.

This WARN Wireless Control System has been designed to minimize interference from other sources of radio.

⚠ CAUTION

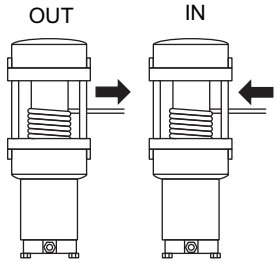
TO AVOID MINOR OR MODERATE INJURY:

- **Always** be aware that obstacles and other radio transmission sources may affect performance.
- **Always** insure the matching WARN transmitter is closer to its receiver than other transmitters in use during winching.

⚠ CAUTION

TO AVOID MINOR OR MODERATE INJURY:

- **Always** use handlebar switch or wired remote when intermittently "jogging" winch.



OPERATION

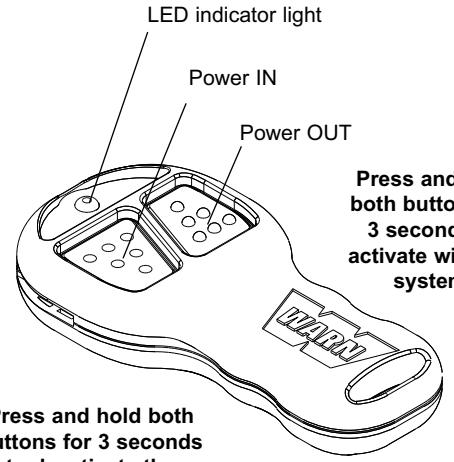
Turn on sequence:

1. Activate the system by pressing both buttons on the wireless transmitter simultaneously and holding for 3 seconds until GREEN light illuminates.
2. The winch system is now operational.
3. Press the power IN button or power OUT button as needed.

Turn off sequence:

1. Deactivate the system by pressing both buttons on the wireless transmitter simultaneously and holding for 3 seconds until GREEN light turns off.

LED Indicator Light
Steady GREEN - system active and ready to use
Steady RED - winch powering in or out
Flashing RED during winching - battery low



Press and hold both buttons for 3 seconds to activate wireless system.

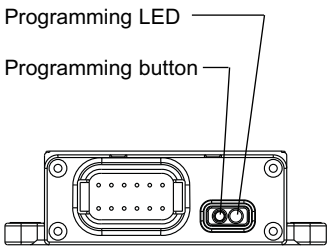
Press and hold both buttons for 3 seconds to deactivate the wireless system.

TROUBLESHOOTING

If the winch does not power in or out when remote buttons are pushed:

1. Check that the wireless system has been activated (GREEN LED on remote is ON).
2. Check all electrical connections. Verify that connections follow the wiring diagram and instructions.
3. Insure that 10 seconds have passed since the standard wired control system was last used.

PROGRAMMING THE RECEIVER



The hand held remote (transmitter) is programmed from the factory to communicate with your specific receiver. Under normal circumstances programming will not be necessary. However, any replacement remote must be programmed to communicate with your receiver. Use the following procedure:

1. Insure the system is properly installed and connected.
2. Turn the ATV ignition key to ON.
3. Activate the system by pressing and holding both buttons until the GREEN LED lights up.
4. Press and hold the receiver programming button for at least five (5) seconds until the RED LED on the receiver lights up and stays on.
5. Release the programming button.
6. Press the power IN button on the remote for at least one (1) second until the RED LED on the receiver turns off. Programming is now complete.

NOTE: Only one remote can be programmed for each receiver.

⚠ WARNING

TO AVOID SERIOUS INJURY OR DEATH:

- **Never** attempt to service components inside transmitter or receiver.
- **Always** consult an authorized WARN service center for service or warranty.

WARRANTY

Please refer to the warranty sheet enclosed with your winch for details.

REPLACEMENT PART NUMBERS

Ordering information: Parts may be obtained through your local dealer or distributor.

Part Number	Description
PN 77825	Receiver Module
PN 74524	Holster
PN 74525	Harness
PN 74604	Hardware Kit
PN 74520	Replacement transmitter (remote)